



# Math Study Strategies

## Nursing Math

### Percents



Percents are parts of **100**. A percent can be written as a fraction or a decimal.

*Remember, 25% means 25 parts out of 100 parts.*

To change a percent to a decimal, follow the steps below:

<u>Step 1</u> Remove the percent sign (%).	Example 1 66	Example 2 200
<u>Step 2</u> Multiply by .01	$\begin{array}{r} \times .01 \\ \hline 0.66 \end{array}$	$\begin{array}{r} \times .01 \\ \hline 2.00 \end{array}$

To change a decimal to a percent, follow the steps below:

<u>Step 1</u> Multiply by 100	Example 1 0.1	Example 2 0.8
<u>Step 2</u> Add the percent sign.	$\begin{array}{r} \times 100 \\ \hline 10\% \end{array}$	$\begin{array}{r} \times 100 \\ \hline 80\% \end{array}$

To change a decimal to a fraction, follow the steps below:

<u>Step 1</u> Remove the percent sign.	Example 1 $40 \times \frac{1}{100}$	Example 2 $33 \frac{1}{3}$
<u>Step 2</u> Multiply by $\frac{1}{100}$	$\frac{2}{40} \times \frac{1}{100} = \frac{2}{5}$	$33 \frac{1}{3} = \frac{100}{3}$
<u>Step 3</u> Cancel and reduce.		$\frac{100}{3} \times \frac{1}{100} = \frac{1}{3}$

(continued on next page)

For more information about this and other math topics, come to the Math Lab 722-6300 x 6232. Capriou & Hall, 2000